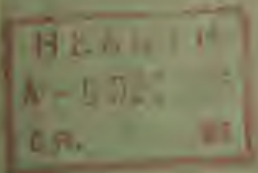


*Library*



EVESHAM RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1959



EVESHAM RURAL DISTRICT COUNCIL.

-----

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH  
FOR THE YEAR 1959

---

Chairman of the Council	.....	Mr. S. Byrd
Vice-Chairman of the Council	.....	Major B.C. Cobb
Chairman of the Public Health Committee	.....	Mr. A.G. Woodward
Clerk to the Council	.....	Mr. C.H. Gardiner

MEMBERS OF THE PUBLIC HEALTH COMMITTEE.

Mr. A.G. Woodward	-	Chairman
Mr. W.B. Jordan	-	Vice-Chairman
Major B.C. Cobb		Messrs. W.A. Scholes
Messrs. C.H. Bomford		E.W. Sturt
F. Bubb		W.T. Treharne
S. Byrd		W.A. Turner
A.S. Coldicott		C.H. Tutton
W.A. Ewins		T. Whitaker
J.E. Newman		J.D. Wilson

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health	.....	Dr. E.T. Shennan, M.B., Ch.B., D.P.H.
Chief Public Health Inspector & Housing Manager	.....	D.E. Berry, M.R.S.H., M.A.P.H.I.
Additional Public Health Inspector	.....	W.J. Land, M.A.P.H.I.
Clerk	.....	Miss E. Shervington



ANNUAL REPORT OF THE MEDICAL OFFICER OF  
HEALTH FOR THE YEAR 1959.

-----

To the Chairman and Members of the Evesham Rural District  
Council.

Mr. Chairman, Ladies and Gentlemen,

I have much pleasure in presenting my Annual Report  
of the state of the Public Health in the Rural District of  
Evesham for the year 1959 and the work carried out by your  
Health Department.

I would like to thank members of the Council for  
their help and consideration during the year and Mr. Gardiner  
and members of the Staff for their co-operation.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

E.T. SHENNAN.

MEDICAL OFFICER OF HEALTH.

Joint District Health Office,  
"The Croft",  
Station Road,  
PERSHORE.

Tel. No. Pershore 133.

1st December, 1960.

-----



# SECTION A.

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area in acres	52,872		
Registrar General's estimate of resident population (Census, 1951 - 16,457)	Mid 1959 -	16,810	
	Mid 1958 -	16,830	
Number of inhabited houses	End of 1959 -	5,656	
	End of 1958 -	5,600	
Rateable value, 1st April, 1959	£209,110		
Sum represented by a Penny Rate	£ 795		

## Population and Acreage by Parishes.

<u>Parishes.</u>	<u>Acreage.</u>	<u>Population 1951 Census.</u>	<u>Estimated 1959.</u>
Abbots Morton	1474	132	141
Aldington	573	139	143
Ashton-under-Hill	1664	381	393
Aston Somerville	1004	147	141
Badsey	1425	1553	1667
Beckford	1990	482	485
Bickmarsh	1109	64	66
Bretforton	1703	839	821
Broadway	4991	2564	2604
Childswickham	1898	510	510
Church Lench	3456	410	410
Cleeve Prior	1521	371	381
Conderton	800	124	120
Harvington	1310	677	685
Hinton-on-the-Green	2291	252	312
Honeybourne	2716	867	832
Inkberrow	6879	1375	1409
Kemerton	1664	439	417
N. & M. Littleton	1706	553	571
Norton & Lenchwick	2656	745	725
Offenham	1122	873	861
Overbury	1271	349	354
Pebworth	3056	670	673
Rous Lench	1494	241	225
Sedgeberrow	1020	524	529
South Littleton	813	771	908
Wickhamford	1266	405	427
Totals:-	52872	16457	16810

## VITAL STATISTICS.

(1958 figures in brackets, except where stated).

<u>LIVE BIRTHS.</u>	<u>M</u>	<u>F</u>	<u>Total</u>
Legitimate	109 (146)	123 ( 97)	232 (243)
Illegitimate	8 ( 6)	4 ( 6)	12 ( 12)
Total	117 (152)	127 (103)	244 (255)





Live Birth Rate. (per 1,000 population).

England & Wales.

	<u>1959</u>	<u>1958</u>	<u>1957</u>	<u>1959</u>	
Crude	<u>14.5</u>	15.2	14.9	<u>16.5</u>	(16.4)
Comparability factor	<u>1.09</u>	1.09	1.09	-	-
Standardised	<u>15.8</u>	16.6	16.2	<u>16.5</u>	(16.4)

Illegitimate Live Births per cent of total live births.

4.9% (4.7%)

STILL BIRTHS.

	M	F	<u>Total</u>
Legitimate	3 (2)	6 (-)	9 (2)
Illegitimate	<u>- (-)</u>	<u>- (-)</u>	<u>- (-)</u>
Total	<u>3 (2)</u>	<u>6 (-)</u>	<u>9 (2)</u>

Total Live and Still Births.

253 (257)

Still Birth Rate (per 1,000 live and still births).

England & Wales.

<u>1959</u>	<u>1958</u>	<u>1957</u>	<u>1959</u>	
<u>35.6</u>	7.8	15.8	<u>20.7</u>	(21.6)

DEATHS.

M	F	<u>Total.</u>
97 (107)	88 (78)	185 (185)

Death Rate (per 1,000 population).

England & Wales.

	<u>1959</u>	<u>1958</u>	<u>1957</u>	<u>1959</u>	
Crude	<u>11.0</u>	11.0	10.3	<u>11.6</u>	(11.7)
Comparability factor	<u>0.96</u>	0.96	0.96	-	-
Standardised	<u>10.6</u>	10.6	9.9	<u>11.6</u>	(11.7)

G.R.O. CIRCULAR (M.O.H.) NO. 2/1958 (PARA. 3) STATED THAT:-

"From January 1st, 1958, a death in a Chronic Sick or Mental Hospital will be assigned to the area of occurrence only if the deceased has been there for six months or more. If the deceased had been there less than six months, the death will be transferred to the area of usual residence, if any. The modifications described in G.R.O. Circular (M.O.H.) No. 2/1954 are superseded and all hospitals for the chronic sick will be treated alike for transfer purposes".

Avonside Hospital in the Borough of Evesham has a large chronic sick unit. This unit took a considerable number of chronic sick patients from outside the Borough, including some from Evesham Rural District. Deaths among these patients

Digitized by the Internet Archive  
in 2017 with funding from  
Wellcome Library

<https://archive.org/details/b29198185>

resident six months or more in the hospital were assigned to the Borough for statistical purposes, thus increasing the total number of deaths occurring in the Borough with a corresponding increase in the death rate.

It is difficult to assess the effect, if any, of this new arrangement on the number of deaths and the death rate in Evesham Rural District.

#### Major Causes of Deaths. (by percentages).

1. Diseases of the Circulatory System	57.8%	(49.7%)
2. Malignant Diseases (all forms)	20.0%	(23.8%)
3. Respiratory Diseases (excluding Tuberculosis)	5.4%	(3.7%)
4. Accidents	4.3%	(4.3%)
5. Suicide	1.1%	(2.2%)
6. Tuberculosis (all forms)	-	(1.6%)

#### Deaths (by ages).

Age in Years	M	F	Total
Under 1	4	1	5
1 - 14	-	1	1
15 - 24	2	-	2
25 - 64	20	15	35
65 & over	71	71	142
Total	97	88	185

#### MATERNAL DEATHS. (including abortion).

Nil (Nil)

#### Maternal Mortality Rate (per 1,000 Live and Still Births).

England & Wales.

Nil (Nil)

0.38 (0.43)

#### INFANT, NEONATAL AND PERINATAL DEATHS.

##### Infant Deaths (deaths under 1 year of age).

	M	F	<u>Total</u>
Legitimate	2 (2)	1 (2)	3 (4)
Illegitimate	<u>2 (-)</u>	<u>- (1)</u>	<u>2 (1)</u>
Total	<u>4 (2)</u>	<u>1 (3)</u>	<u>5 (5)</u>

##### Neonatal Deaths (deaths under 4 weeks of age).

	M	F	<u>Total</u>
Legitimate	2 (1)	- (2)	2 (3)
Illegitimate	<u>2 (-)</u>	<u>- (-)</u>	<u>2 (-)</u>
Total	<u>4 (1)</u>	<u>- (2)</u>	<u>4 (3)</u>



Early Neonatal Deaths (deaths under 1 week of age).

	M	F	<u>Total</u>
Legitimate	1	-	1
Illegitimate	<u>2</u>	<u>-</u>	<u>2</u>
	<u>3</u>	<u>-</u>	<u>3</u>

Perinatal Deaths (still births and deaths of infants under 1 week).

	M	F	<u>Total</u>
Legitimate	4	6	10
Illegitimate	<u>2</u>	<u>-</u>	<u>2</u>
Total	<u>6</u>	<u>6</u>	<u>12</u>

INFANT, NEONATAL AND PERINATAL MORTALITY RATES.

	<u>England &amp; Wales.</u>			
	<u>1959</u>	<u>1958</u>	<u>1957</u>	<u>1959</u>
Deaths of legitimate infants per 1,000 legitimate live births	12.9	16.5	16.1	-
Deaths of illegitimate infants per 1,000 illegitimate live births	166.7	83.3	Nil	-
<u>Infant Mortality Rate</u> (under 1 year)	<u>20.5</u>	19.6	16.1	<u>22.2</u> (22.6)
<u>Neonatal Mortality Rate</u> (under 4 weeks)	<u>16.4</u>	12.3	16.1	<u>15.8</u> (16.2)
<u>Perinatal Mortality Rate</u> (still births and deaths of infants under 1 week)	<u>47.4</u>	-	-	<u>34.2</u> (35.1)

Causes of Infant Deaths.

Lack of attention at birth	1 (early neonatal)
Subacute tracheobronchitis	1
Asphyxia	1 (early neonatal)
Intra-Cranial Haemorrhage	2 (1 early neonatal 1 neonatal)





CAUSES OF DEATH IN THE EVESHAM RURAL DISTRICT  
1959.

<u>CAUSES OF DEATH.</u>	<u>M.</u>	<u>F.</u>	<u>TOTAL.</u>	<u>MORTALITY RATE PER 1,000 POP.</u>
1. Tuberculosis, respiratory	-	-	- (2)	-
2. Tuberculosis, other	-	-	- (1)	-
3. Syphilitic disease	1	-	1 (-)	0.06
4. Diphtheria	-	-	- (-)	-
5. Whooping Cough	-	-	- (-)	-
6. Meningococcal infections	-	-	- (-)	-
7. Acute Poliomyelitis	-	-	- (-)	-
8. Measles	-	-	- (-)	-
9. Other infective and parastic diseases	1	-	1 (-)	0.06
10. Malignant neoplasm, stomach	2	5	7 (10)	0.42
11. Malignant neoplasm, lung, bronchus	8	1	9 (5)	0.54
12. Malignant neoplasm, breast	-	5	5 (3)	0.30
13. Malignant neoplasm, uterus	-	1	1 (1)	0.06
14. Other malignant and lymph- atic neoplasms	7	8	15 (25)	0.89
15. Leukaemia, aleukaemia	-	-	- (-)	-
16. Diabetes	-	-	- (3)	-
17. Vascular lesions of nervous system	15	12	27 (29)	1.61
18. Coronary disease, angina	15	16	31 (24)	1.84
19. Hypertension with heart disease	3	3	6 (7)	0.36
20. Other heart disease	18	19	37 (21)	2.20
21. Other circulatory disease	3	3	6 (11)	0.36
22. Influenza	-	2	2 (1)	0.12
23. Pneumonia	3	2	5 (2)	0.30
24. Bronchitis	3	2	5 (5)	0.30
25. Other diseases of respirat- ory system	-	-	- (-)	-
26. Ulcer of stomach and duodenum	1	1	2 (2)	0.12
27. Gastritis, enteritis and diarrhoea	1	-	1 (2)	0.06
28. Nephritis and nephrosis	2	-	2 (1)	0.12
29. Hyperplasia of prostate	-	-	- (-)	-
30. Pregnancy, childbirth, abortion	-	-	- (-)	-
31. Congenital malformation	-	-	- (2)	-
32. Other defined and ill- defined diseases	8	4	12 (16)	0.71
33. Motor vehicle accidents	2	1	3 (2)	0.18
34. All other accidents	4	1	5 (6)	0.30
35. Suicide	-	2	2 (4)	0.12
36. Homicide and operations of war	-	-	- (-)	-
TOTALS	97	88	185 (185)	11.03





## SECTION B.

### GENERAL PROVISIONS OF HEALTH SERVICE.

No major changes occurred in the preventative Health Service of the district.

#### (a) Child Welfare Clinics.

The following Child Welfare Clinics, provided by the County Council, were held in the district:-

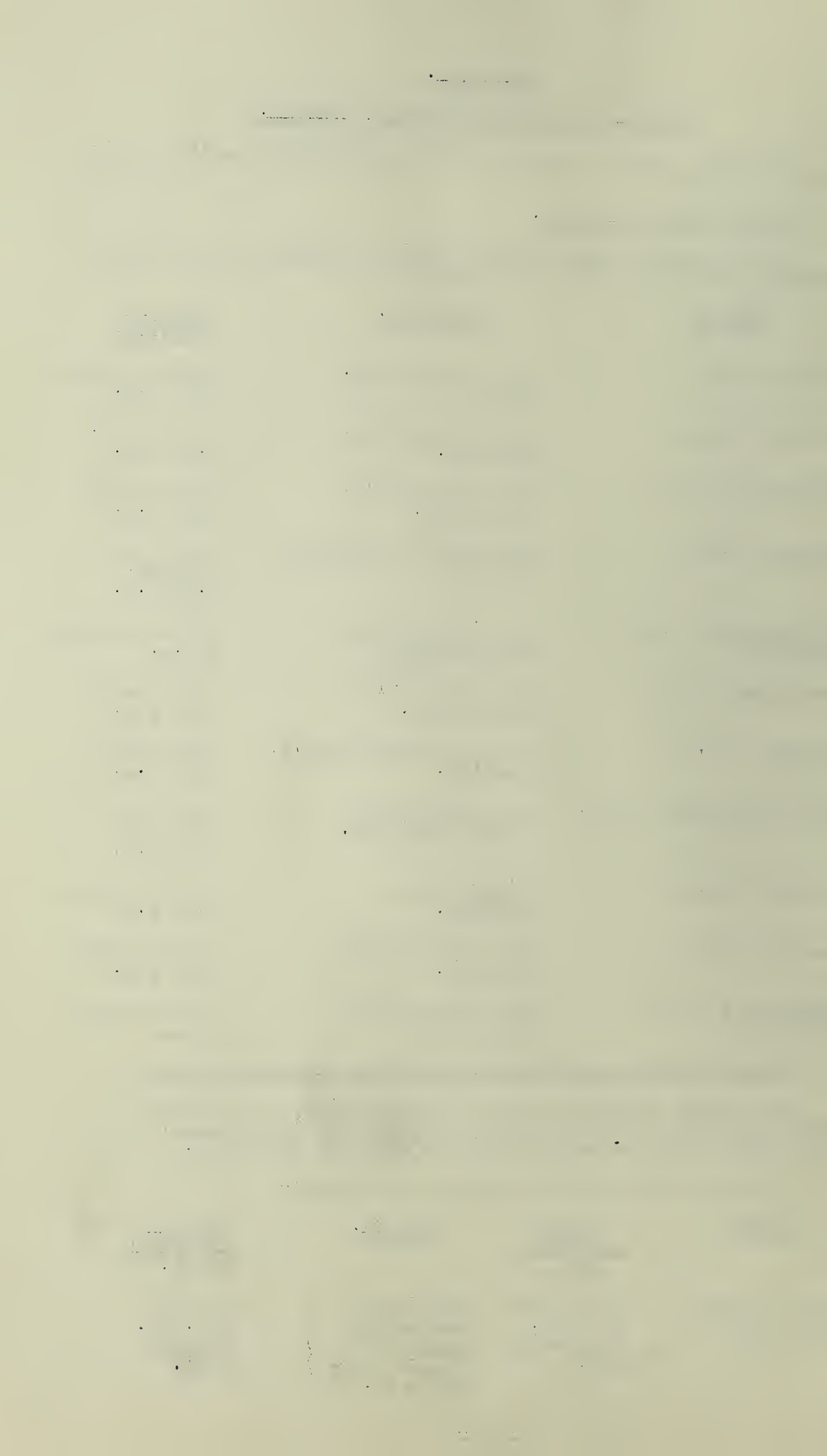
<u>Clinic.</u>	<u>Situation.</u>	<u>Time of Holding.</u>
Badsey C.W.C.	The Village Hall, Badsey.	1st Wednesday, 2.30 p.m.
Beckford C.W.C.	The Village Hall, Beckford.	1st Friday, 2.30 p.m.
Bretforton C.W.C.	The Village Hall, Bretforton.	3rd Tuesday, 2.30 p.m.
Broadway C.W.C.	The Women's Institute, Broadway.	1st & 3rd Fridays, 2.30 p.m.
Childswickham C.W.C. (Mobile).	The Village Hall, Childswickham.	3rd Wednesday, 2 p.m.
Honeybourne C.W.C.	The Parish Hall, Honeybourne.	1st Tuesday, 2.30 p.m.
Kemerton C.W.C.	Victoria Memorial Hall, Kemerton.	3rd Friday, 2.30 p.m.
Middle Littleton C.W.C.	The Village Hall, Middle Littleton.	2nd & 4th Thursday, 2.30 p.m.
Offenham C.W.C.	Village Hall, Offenham.	1st Thursday, 2.30 p.m.
Pebworth C.W.C.	The Village Hall, Pebworth.	3rd Thursday, 2.30 p.m.
Sedgeberrow C.W.C. (Mobile).	The Village Hall, Sedgeberrow.	1st Wednesday, 2 p.m.

#### (b) Health Visiting and Midwifery and Home Nursing Services.

The County Council provided nurse/midwives who attended general nursing midwifery and maternity cases in the home. These nurses also acted as Health Visitors in their districts.

Parishes were served by nurses as follows:-

<u>Parish.</u>	<u>Nurse stationed at.</u>	<u>Parish.</u>	<u>Nurse stationed at.</u>
Abbots Morton )	Bishampton	Bretforton )	Evesham
Church Lench )	Tel. No.	Honeybourne )	Tel. No.
Rous Lench )	Bishampton	Bickmarsh )	Evesham
	208.	Cleeve Prior )	2931.
		Pebworth. )	



<u>Parish.</u>	<u>Nurse stationed at.</u>	<u>Parish.</u>	<u>Nurse stationed at.</u>
Aldington ) Badsey ) Wickhamford )	Badsey Tel. No. Badsey 293.	Broadway )	Broadway Tel. No. Broadway 3245
Beckford ) Conderton ) Kemerton ) Overbury )	Kemerton Tel. No. Overbury 212	Ashton-under- ) Hill ) Aston ) Somerville ) Childswickham ) Hinton-on-the- ) Green ) Sedgeberrow )	Sedgeberrow  Tel. No. Ashton-under- Hill 294
North Littleton ) Middle Littleton ) South Littleton ) Offenham )	South Littleton Tel. No. Badsey 424	Norton & ) Lenchwick ) Harvington. )	Evesham Tel. No. Evesham 2328
Inkberrow )	Grafton Flyford Tel. No. Himbleton 238.		

Health Visiting in Norton & Lenchwick and Harvington was carried out by a full-time Health Visitor stationed in Evesham Borough - Tel. No. Evesham 2041.

(c) School Health Services.

The County Council continued to provide an extensive school health service throughout the district. Regular Medical Inspections of school children were carried out and special clinics e.g., minor ailment, orthopaedic, ophthalmic, dental, child guidance clinics, etc., were available for the reference of children where more detailed investigation or treatment was required. An Open-air School was available at Malvern to which children who were thought to be likely to benefit from a change of air and environment could be sent.

(d) Laboratory Facilities.

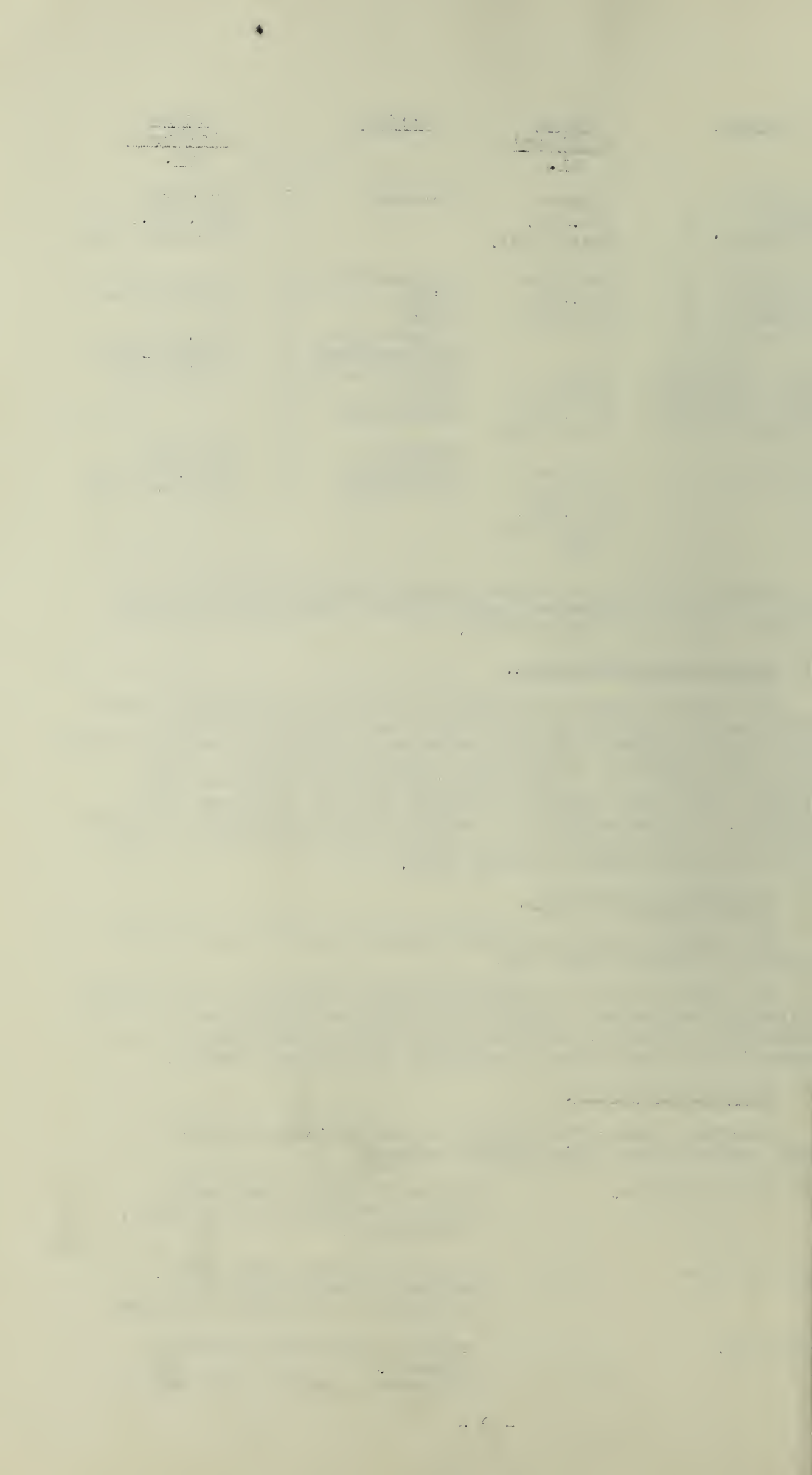
The County Council provided a laboratory for the chemical analysis of water, milk, etc.

The Public Health Laboratory Service provided, at the Royal Infirmary, Worcester, facilities for the bacteriological examination of water, milk and specimens in connection with the diagnosis and prevention of spread of infectious disease.

(e) Hospital Services.

Hospitals under the control of the Regional Hospital Board, which served this district were:-

Infectious Disease.	Newtown Hospital, Worcester. Little Bromwich Fever Hospital, Birmingham.
Tuberculosis.	Newtown Hospital, Worcester. Knightwick Sanatorium. St. Wulstan's Hospital, Malvern.
Maternity.	Avonside Maternity Hospital, Evesham. Ronkeswood Hospital, Worcester.



Children's Diseases.	Worcester Royal Infirmary. Children's Hospital, Birmingham.
Venereal Disease.	Worcester Royal Infirmary.
Mental Illness.	Powick Hospital.
General.	Evesham General Hospital. Worcester Poyal Infirmary. Cheltenham General. Stratford General Hospital. Birmingham Hospitals.
Aged Chronic Sick.	Avonside Hospital, Evesham.

(f) Diphtheria Immunisation and Smallpox Vaccination Service.

This was provided by the County Council. The Evesham Rural District Council administered the service in this district and the Borough of Evesham.

Figures of immunisation and vaccination carried out are found under Section F.

(g) Polio myelitis Vaccination Service.

This service was administered by the County Council.

(h) Ambulance Service.

This was provided by the County Council and the Rural District was served from Avonside Hospital, Evesham.

(i) Home Help Service.

This service was provided by the County Council and administered through the Women's Voluntary Service. The local organiser being Mrs. Whitford of Ashton-under-Hill.

(j) National Assistance Act, 1948 - Disposal of the Dead.

One funeral was arranged in accordance with the provisions of this Act during the year.





## SECTION C.

### SANITARY CIRCUMSTANCES OF THE AREA.

#### 1. Sanitary Inspection of the Area.

The Chief Public Health Inspector's report is given at the end of each section of the report.

#### 2. Water Supply.

5,159 houses out of a total of 5,656 are supplied with mains water.

Routine samples from the mains supply show uniformly satisfactory results.

There is no plumbo-solvency in the district.

The following tables give details of results of analysis and sources of supply. (See pages 14 and 15).

#### 3. Drainage and Sewerage.

The following are the Sewage Disposal Works situated in the district:-

Ashton-under-Hill	- Council sites only.	Honeybourne	- Council sites only.
Aston Somerville		Inkberrow	
Badsey			
Beckford		Kemerton	
Broadway		Middle Littleton	
Church Lench	- Council sites only.	Norton	
		Offenham	- Council sites only.
Cleeve Prior			
Conderton		Overbury	
Harvington		Pebworth	
Hinton-on-the-Green	- Three small works.	Rous Lench	- Council sites only.

The general position with regard to the present sewerage arrangements and requirements are as follows:-

#### SUMMARY OF PRESENT SEWERAGE ARRANGEMENTS AND REQUIREMENTS.

#### Remarks.

ABBOTS MORTON.	Drains into an old combined culvert sewer which discharges into the roadside ditch at the bottom end of the village.	
ALDINGTON.	Part drains into a combined sewer which discharges without treatment into the brook. Part not sewered.	
ASHTON-UNDER-HILL.	Part drains to old combined sewers which discharge untreated into ditches.	Scheme prepared.
ASTON SOMERVILLE.	Main part of the village drained to tank and filter.	Fairly satisfactory.





BADSEY.	Existing works is over-loaded. Properties along the Bretforton Road should be drained.	Part of combined scheme being prepared by Consulting Engineers.
BECKFORD.	Properly sewered to a works which will eventually require to be enlarged and improved.	
GRAFTON.	Partly drained to old combined sewer which discharges untreated into a ditch.	A proper scheme should be provided.
BICKMARSH.	Although very small the group of cottages known as Cheapside, drain untreated into the roadside ditch.	A small works should be provided.
BRETFORTON.	Parts drain to old culverts which discharge into the brook.	Combined scheme being prepared by Consulting Engineers.
BROADWAY.	Existing works inadequate should be enlarged and improved. Sewers need extending, in particular to top of Main Street and Evesham Road.	Combined scheme in hand.
CHILDSWICKHAM.	Parts drain to old combined sewers which discharge untreated into the brook.	A scheme is in course of preparation.
CHURCH & COW HONEYBOURNE.	Adequately sewered.	
CHURCH LENCH.	Partly drained but discharges to brook.	Scheme urgently required now that water is available.
CLEEVE PRIOR.	Satisfactorily sewered except for one or two isolated properties.	
HARVINGTON.	Main part of village drains to a tank which is over-loaded. Effluent to brook, no filtration.	Proper works required, sewers need extending and parts of village connecting to main system.
HINTON-ON-THE-GREEN.	Drains to three small works.	
INKBERROW.	Part of main village drains to old combined sewer which discharges untreated into a ditch.	Scheme urgently required now that water is available.
COOKHILL.	Small works in Cladswell Lane serving Council Site and adjacent properties.	
KEMERTON.	Sewers.	Works inadequate new ones should be provided.



THE LITTLETONS.	Partly drained, but works are inadequate except new one at Manor Road housing site. North Littleton needs sewer- ing. Chapel Lane and Shinehall Lane, S. Littleton, drain untreated except for septic tank to stream.	Sewers should be extended and proper works provided.
NORTON & LENCHWICK.	Only Council houses are drained.	Sewers and a works for the remainder of the properties in Norton are urgently required. A small new scheme should be provided for Lenchwick.
OFFENHAM.	Partly sewered, no proper treatment.	Urgently requires sewer- ing and provision of proper works.
OVERBURY.	Works need enlarging.	
CONDERTON.	Adequately sewered, works will eventually need improvement.	
PEBWORTH.	Friday Street, Broad Marston Road and Elm Close now sewered.	Extension of sewer to serve remainder of village required with separate works for Middlesex.
ROUS LENCH.	Partly sewered.	Scheme urgently required now that water is available.
SEDGEBERROW.	Part drains to old combined sewers which discharge with no treatment into water- courses.	Urgently required, complete new scheme.
WICKHAMFORD.	Part drained to combined sewers which discharge untreated to ditches.	Combined scheme in hand.

#### 4. Public Cleansing.

Refuse collection and disposal was carried out throughout the district under the direction of the Engineer & Surveyor.

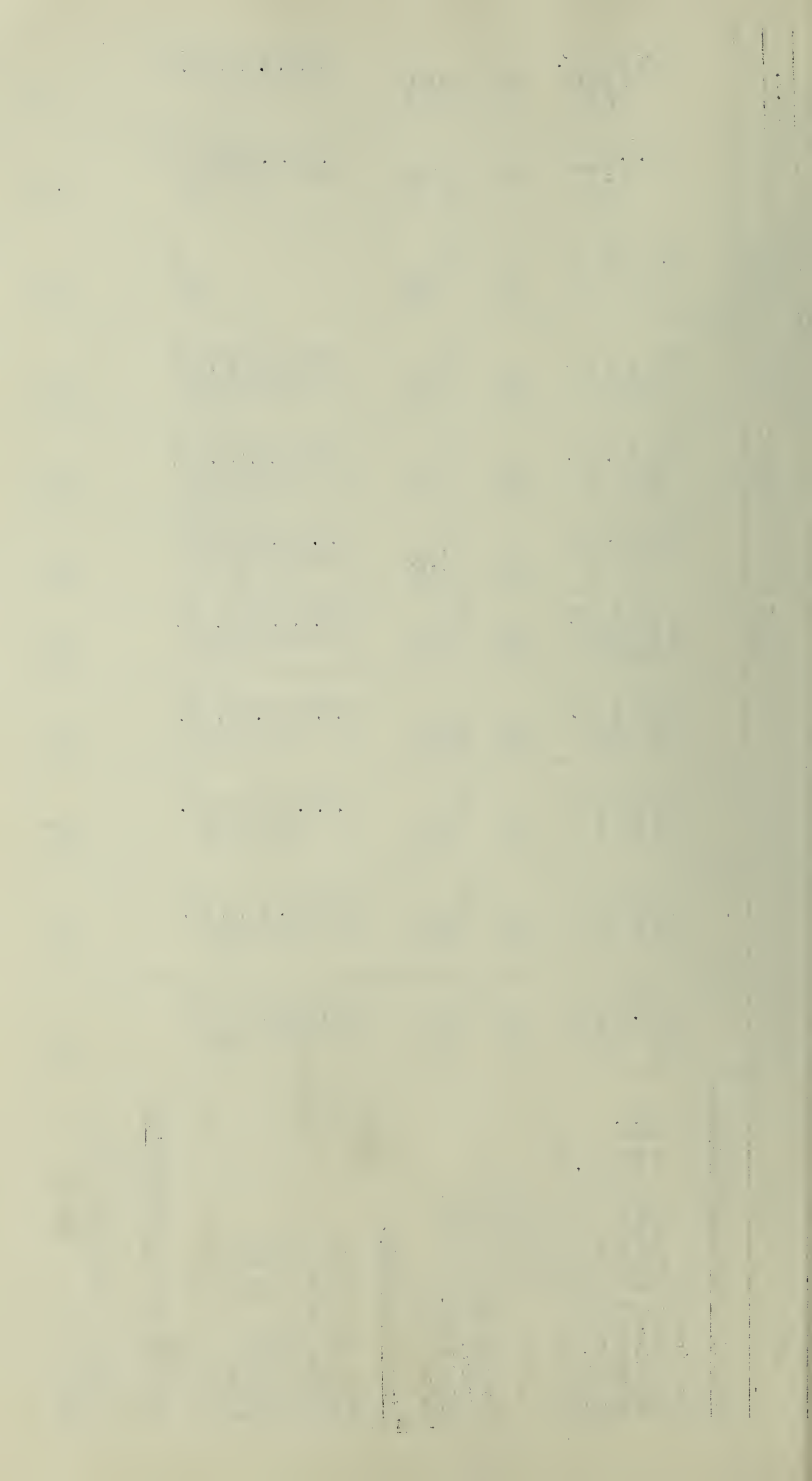
A collection was carried out, so far as practicable, once a fortnight, and disposed by tipping at the following sites:-

Broadway, Overbury, Pebworth and Radford.

2 refuse vehicles were in use during the year.



SOURCE OF SUPPLY	OVERBURY	BECKFORD	KEMERTON	STANWAY	BUCK- LAND	GRAFTON	BROAD- WAY	BROADWAY (PEARTR- EE)	COVENTRY CORPORA- TION	E.W.W.C.	
										1	2
<u>General Chemical Examination.</u>											
Reaction, pH	7.9	7.9	7.8	8.1	8.1	7.6	8.0	8.2	8.0	6.8	7.3
Free Carbon dioxide, as CO <sub>2</sub> .	None	None	None	None	None	8.0	None	None	Nil	50.0	24.0
Ammoniacal Nitrogen, as N.	0.01	Trace	Trace	0.01	Trace	Trace	Trace	None	0.14	0.01	Trace
Albuminoid Nitrogen, as N.	0.02	0.06	0.01	Trace	Trace	0.03	0.02	Trace	0.09	Trace	Trace
Nitrous Nitrogen, as N.	None	None	None	None	None	None	None	None	Nil	Nil	Nil
Nitric Nitrogen, as N.	6.1	7.7	5.3	2.7	3.3	5.3	7.2	3.3	6.2	6.1	4.9
Hardness (state test used E.D.T.A.)											
as CaCO <sub>3</sub> Temporary	140	135	170	160	125	215	145	145	100	75	85
Permanent	70	80	90	60	65	150	90	85	75	45	50
Permanganate figure (4 hours, 80°F.) as O	0.15	0.25	0.15	None	0.15	0.25	0.15	0.15	1.05	Nil	Nil
Alkalinity, as CaCO <sub>3</sub>	140	135	170	160	125	215	145	145	100	75	85
Total solids	260	280	310	240	225	495	310	270	295	210	205
<u>Mineral Analysis.</u>											
Calcium, as Ca.	74.5	78.8	90.4	71.7	64.4	118.3	83.5	78.0		65.6	44.2
Magnesium, as Mg.	2.0	2.3	2.2	5.0	2.4	12.9	2.4	4.6		6.5	6.5
Sodium, as Na.	11.4	12.0	14.5	9.0	10.3	36.5	21.0	11.2		8.3	12.6
Carbonate, as CO <sub>3</sub>	84.0	81.0	102.0	96.0	75.0	129.0	87.0	87.0		45.0	51.0
Chloride, as Cl.	17.0	22.7	21.3	14.2	19.9	32.7	35.5	22.7		17.0	21.2
Sulphate, as SO <sub>4</sub>	37.2	44.2	45.3	29.1	29.0	140.7	42.1	45.9		24.4	31.1
Nitrate, as NO <sub>3</sub>	27.0	34.1	23.5	12.0	14.6	23.5	31.9	14.6		27.0	21.7
Iron	None	None	None	None	None	None	None	None	Nil	Nil	0.01
Fluoride as F.	0.06	0.07	0.06	0.08	0.06	0.15	0.05	0.08	0.09	0.07	0.08
<u>Bacteriological Examination.</u>											
Probable No. of Coliform bacilli, MacConkey 2 days, 37°C	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Probable No. of faecal coli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil





PARISH	FROM PUBLIC MAINS				FROM PRIVATE SUPPLY		SOURCE OF SUPPLY
	Direct to Houses		By means of Standpipe				
	No. of dwelling houses	Pop-ulation	No. of dwelling houses	Pop-ulation	No. of dwelling houses	Pop-ulation	
Abbots Morton	43	124			7	17	Coventry
Aldington	50	135			2	8	Stanway
Ashton-under-Hill	131	328	4	12	20	53	Grafton/Broadway
Aston Somerville	50	141			-	-	Stanway/Broadway
Badsey	536	1667			16	36	Stanway
Beckford	138	428	7	21	6	17	Grafton
Bickmarsh	23	49			-	-	Alcester
Bretforton	296	821			66	200	Stanway
Broadway	791	2404			4	9	Broadway
Childswickham	178	501			29	70	Broadway
Church Lench	118	340			-	-	Coventry
Cleeve Prior	121	381			40	120	Stanway
Conderton	-	-			13	40	Overbury
Harvington	248	645			-	-	Coventry
Hinton-on-the-Green	87	312			-	-	Stanway/Grafton
Honeybourne	273	832			-	-	Stanway
Inkberrow	392	1043			156	366	Coventry/E.W.W.C.
Kemerton	152	417			-	-	Kemerton
N. & M. Littleton	213	565			2	6	Stanway
Norton & Lenchwick	228	716			3	9	Coventry
Offenham	308	856			4	5	Stanway
Overbury	-	-			99	354	Overbury
Pebworth	196	670			1	3	Stanway
Rous Lench	60	163			24	62	Coventry/R. Lench
Sedgeberrow	175	514			5	15	Stanway/Grafton
South Littleton	175	908			-	-	Stanway
Wickhamford	166	427			-	-	Stanway
TOTALS:-	5148	15387	11	33	497	1390	





## WATER SUPPLY.

### Samples submitted for Analysis from Piped Supply.

1.	Bacteriological examinations	...	...	...	...	48
2.	Number found to be unsatisfactory	...	...	...	...	4
3.	Chemical examinations	...	...	...	...	13
4.	Number found to be unsatisfactory	...	...	...	...	0

### Samples submitted for Analysis from Wells.

1.	Bacteriological examinations	...	...	...	...	8
2.	Number found to be unsatisfactory	...	...	...	...	4
3.	Chemical examinations	...	...	...	...	6
4.	Number found to be unsatisfactory	...	...	...	...	1
5.	Number of wells closed	...	...	...	...	1
6.	Number of wells cleansed	...	...	...	...	1

## Swimming Baths.

There are no Public Swimming Baths in the district, but the one under private ownership at Leedons Camp, Broadway, is open to the public. The Council, in pursuance of their powers under Section 233 of the Public Health Act, 1936, have decided to make Byelaws for the control of swimming baths which do not come under their management.

### Samples taken from Swimming Baths:-

1.	Number submitted for analysis	...	...	...	...	3
2.	Number found to be unsatisfactory	...	...	...	...	3

## Water Act, 1945.

1.	Number of informal notices	...	...	...	...	8
2.	Number of informal notices complied with	...	...	...	...	5
3.	Number of statutory notices	...	...	...	...	3
4.	Number of statutory notices complied with	...	...	...	...	1
5.	Number of dwellings connected to mains in default	...	...	...	...	2

## CONVERSION OF PAIL CLOSETS TO WATER CLOSETS.

1.	<u>Number of Grants Approved under Section 47, Public Health Act, 1936.</u>	...	...	...	...	12
2.	Number of dwellings involved	...	...	...	...	22
3.	Total grant approved during year	...	...	...	...	£1,109. 13s. 8d.
4.	Number of pail closets converted since 1955	...	...	...	...	34
5.	Total grant paid since 1955	...	...	...	...	£1,526. 16s. 1d.

## SUMMARY OF SANITARY INSPECTIONS (OTHER THAN HOUSING).

1.	Number of premises visited	...	...	...	...	103
2.	Defects or nuisances found	...	...	...	...	23
3.	Number of informal notices served	...	...	...	...	17
4.	Number of informal notices complied with	...	...	...	...	15
5.	Number of statutory notices served	...	...	...	...	0
6.	Number of statutory notices complied with	...	...	...	...	0
7.	Number of obstructed drains dealt with	...	...	...	...	37
8.	Number of drains repaired after action by local authority	...	...	...	...	7
9.	Number of drains tested	...	...	...	...	4
10.	Number of insanitary privies, pail closets, water closets and urinals dealt with	...	...	...	...	36
11.	Number of sewage effluent samples taken	...	...	...	...	10
12.	Number found to be unsatisfactory	...	...	...	...	4



PETROLEUM (CONSOLIDATION) ACT, 1928.

1. Number of licensed premises	...	...	...	...	99
2. Number of visits during year	...	...	...	...	70
3. Number of tanks tested during year	...	...	...	...	3
4. Number of pumps replaced during year	...	...	...	...	7

FACTORIES ACTS, 1937 TO 1959.

PART 1 OF THE ACT.

INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors.

Premises (1)	No. on Regi- ster (2)	Number of		
		Inspection (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1,2,3,4 and 6 are to be enforced by Local Authorities.	8	8	None	None
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	61	35	None	None
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' Premises)	-	-	-	-
Total:-	69	43	-	-

Cases in which DEFECTS were found.

Particulars (1)	Number of cases in which defects were found				No. of cases in which prosecutions were instituted. (6)
	Found (2)	Remedied (3)	Referred To H.M. Inspector (4)	By H.M. Inspector (5)	
Want of cleanliness (S.1.)	-	-	-	-	-
Overcrowding (S.2.)	-	-	-	-	-
Unreasonable temperature (S.3)	-	-	-	-	-
Inadequate ventilation (S.4)	-	-	-	-	-



Particulars	Number of cases in which defects were found				No. of cases in which precautions were instituted.
	Found	Remedied	Referred To H.M. Inspector	By H.M. Inspector	
(1)	(2)	(3)	(4)	(5)	(6)
Ineffective drainage of floors (S.6)	-	-	-	-	-
Sanitary Conveniences (S.7)	1	-	-	1	-
(a) Insufficient					
(b) Unsuitable or defective	-	-	-	-	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to Outwork)	-	-	-	-	-
Total:-	1	-	-	1	-

PART VIII OF THE ACT.

OUTWORK.  
(Sections 110 and 111).

Nature of Work	Section 110			Section 111		
	No. of out-workers in August list required by Section 110(1)(c)	No. of cases default in sending lists to the Council	No. of prosecutions for failure to supply lists.	No. of instances of work in unwholesome premises	Notices served	Prosecutions.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
the making of boxes or other receptacles or parts thereof wholly or partially of paper	4	-	-	-	-	-





## SECTION D.

### HOUSING.

#### Housing Position at the end of 1959.

Estimated population	(16,810)
Units of accommodation	( 5,656)
Number of persons per unit of accommodation	( 2.97)
Number of dwellings erected by private enterprise	( 47)
Number of dwellings built by Council	( 30)
Total number of Council Houses built post-war	( 733)
Estimated number of caravan dwellings	( 400)
Estimated number of Council House applicants	( 352)

#### Inspection of Dwelling Houses.

1. Number of houses inspected for housing defects (under Public Health and Housing Acts) ...	148
2. Number of houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	11
3. Number of houses (exclusive of those referred to under the proceeding paragraph) found not to be in all respects reasonably fit for human habitation ... ..	18

#### Remedy of Defects without Service of Formal Notice.

Number of defective houses rendered fit in consequence of informal action by the local authority or their officers ... ..	13
---	----

#### Proceedings under Public Health Act, 1936.

1. Number of houses in respect of which notices were served requiring defects to be remedied	-
2. Number of houses in which defects were remedied after service of formal notice:	
(a) By owners ... ..	-
(b) By local authority in default of owners	-

#### Proceedings under Section 17 of Housing Act, 1957.

1. Number of houses in respect of which Demolition Orders were made ... ..	2
2. Closing Orders in lieu of Demolition Orders	2
3. Number of houses demolished in pursuance of Demolition Orders ... ..	4
4. Number of undertakings not to re-let ... ..	1

#### Proceedings under Section 18 of Housing Act, 1957.

Number of Closing Orders in respect of parts of buildings ... ..	-
--	---





<u>PARISH.</u>	<u>APPLICANTS RE-HOUSED</u>		<u>HOUSES - EXISTING &amp; PROPOSED</u>		<u>CAT.</u> <u>1</u>	<u>CAT.</u> <u>2</u>	<u>CAT.</u> <u>3</u>	<u>TOTAL.</u>
	<u>New Houses.</u>	<u>Re-lets.</u> <u>Total</u>	<u>Existing.</u> <u>Under Construction.</u>	<u>Included in Programme.</u>				
Ashton-under-Hill		4	54			1	4	5
Aston Somerville			13			1	1	2
Badsey/Aldington		5	210		5	17	24	46
Beckford		3	45		1	1	7	9
Bretforton		2	118	6	3	7	14	24
Broadway		8	331		12	3	44	59
Childswickham			37		5	1	4	10
Church Lench			20		1	1	3	5
Cleeve Prior			28		1		3	4
Harvington		4	76	6	7	1	7	15
Minton-on-the-Green		1	27		1	1	4	6
Honeybourne	12	15	104		1	7	16	24
Inkberrow			39				13	27
Kemerton			16		7		10	12
Littletons		2	160	4			14	26
Norton & Lenchwick			83		11	1	11	13
Offenham		2	102			2	10	21
Pebworth		2	69	12	6	5	14	16
Rous Lench			22		1	1	1	2
Sedgeberrow			49	4	1	3	6	17
Wickhamford	18	20	72		2		7	9
TOTALS:-	30	68	1675	44	73	62	217	352



### Rent Act, 1957.

1. Number of applications for certificates of disrepair	...	...	...	...	...	-
2. Number of certificates of disrepair issued	...					-
3. Number of undertakings given by owners	...					-
4. Number of certificates of disrepair cancelled						-

### House Purchase and Housing Act, 1959.

1. Discretionary Grant applications received	...					67
2. Discretionary Grant applications approved	...					64
3. Standard Grant applications received	...	...				32
4. Standard Grant applications approved	...	...				25
5. Total Grant approved during year	...	...				£22,637

Since 1949, the Council have approved 361 improvement grants, involving 416 dwellings, and the total grant approved is £104,488.

Without renovation, many of the dwellings would have had to be dealt with as Slum Clearance.

### Control of Moveable Dwellings.

1. Estimated maximum number of moveable dwellings in the area at one time during the year	...	...				400
2. Number of camping sites in respect of which licences have been issued under Section 269 of the Public Health Act, 1936	...	...	...	...	...	4
3. Number of individual moveable dwellings in respect of which licences have been issued under Section 269 of the Public Health Act, 1936	...	...	...			29
4. Number of moveable dwellings used as permanent dwellings	...	...	...	...	...	56
5. Estimated number of fruit pickers' moveable dwellings stationed in the district during the fruit picking season	...	...	...	...	...	200
6. Number of fruit pickers' quarters	...	...				1
7. Number of inspections made of moveable dwellings and sites	...	...	...	...	...	76

### Rodent Control.

1. Number of complaints received	...	...	...			82
2. Number of infestations dealt with in private houses						91
3. Number of business premises treated under contract						87
4. Number of infestations in other business premises dealt with	...	...	...	...	...	7



5. Number of infestations in local authority owned property treated	...	...	...	...	...	90
6. Total number of visits made by Public Health Inspectors	...	...	...	...	...	90
7. Total number of visits made by Rodent Operator						5,000

Disinfestation (other than Rodents).

1. Number of houses found to be infested	...	...	...	...	4
2. Number of houses disinfested	...	...	...	...	4

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

Routine inspections of food premises were continued during the year, and every effort was made to ensure the clean and safe handling of food-stuffs.

Food Poisoning.

1 case of food poisoning was notified during the year.

Record of Inspection and Condemnation.

	CATTLE	CALVES	SHEEP AND LAMBS	PIGS
Number killed	62	2	454	3271
Number inspected	62	2	454	3271
<u>All diseases except tuberculosis.</u>				
Whole carcasses condemned	Nil	Nil	Nil	1
Carcasses of which some part or organ was condemned	11	Nil	Nil	15
Percentage of the number inspected affected with disease other than tuberculosis	17.74	Nil	Nil	0.49
<u>Tuberculosis only.</u>				
Whole carcasses condemned	Nil	Nil	Nil	Nil
Carcasses of which some part or organ was condemned	Nil	Nil	Nil	30
Percentage of the number inspected affected with tuberculosis	Nil	Nil	Nil	0.92
Cysticercosis	1	Nil	Nil	Nil





The following were found to be unfit for human consumption and condemned:-

18 lbs. 2 ozs. Beef.  
 1 Bovine Heart.  
 9½ Bovine Livers.  
 1 Pig's Carcase and Offal.  
 30 Pigs' Heads.  
 9 Pigs' Livers.  
 2 Pigs' Kidneys.  
 6 Pairs of Pigs' Lungs.  
 5 lbs. Pig Leaf Fat.

#### Other Foodstuffs.

The following were found to be unfit, voluntarily surrendered and condemned:-

5 Danish Gammons.  
 1 Cooked Gammon.  
 1 Cooked Shoulder.  
 9 Tons 56 lbs. Carrots.  
 114 Bags Beetroot.

Method of disposal of condemned food is by burying in refuse tip, and by burning, according to necessity.

#### Food Shops and Cafes.

The following are the food premises in the district:-

Bakers and Confectioners	...	...	...	...	...	8
Butchers	...	...	...	...	...	8
Fried Fish Shops	...	...	...	...	...	1
Grocers and general stores	...	...	...	...	...	60
Greengrocers	...	...	...	...	...	4
Cafes and restaurants	...	...	...	...	...	14
Licensed premises (including clubs)	...	...	...	...	...	38
Total:-						133

Number of visits to food premises	...	...	...	...	85
Number of informal notices complied with	...	...	...	...	5

In addition to the works etc., carried out as the result of informal notices, a number of traders improved their premises and food handling methods, as the result of discussion with the Public Health Inspector.

Generally, the standard of food premises in the area is satisfactory.

#### Milk Supply.

Number of registered dairies (other than cow keepers)	...	...	...	...	11
Number of distributors licensed to retail designated milk	...	...	...	...	13
Number of supplementary licences to retail designated milk	...	...	...	...	12
Number of licences issued during the year in respect of:-					
(a) Tuberculin Tested Milk	...	...	...	...	20
(b) Pasteurised Milk	...	...	...	...	19
(c) Sterilised Milk	...	...	...	...	9

All the milk retailed in the area is now tuberculin tested or heat/and the registered dairies are satisfactory.  
 treated



### Ice Cream.

Number of premises registered for the manufacture of ice cream 1  
Number of premises registered for the storage and sale of ice cream 81  
2 samples of ice cream taken were satisfactory.  
21 visits were made to retailers to check general hygiene, server sterilizing and storage temperature.

### Manufacture of Sausage, Potted, Pressed, Pickled and Preserved Foods.

2 premises are registered for these purposes, including one factory. Numerous visits of inspection were made to ensure that the foodstuff was handled hygienically. The general condition under which these foodstuffs are handled and produced can be regarded as fairly satisfactory, although there is room for improvement.

### Slaughter of Animals.

Number of licensed slaughterhouses ... .. 3  
Number of licensed slaughtermen ... .. 19

### SECTION F.

#### PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

#### Notifiable Disease, 1959.

Disease	Corrected Notifica- tions	Admitted to Hospital	Deaths
Smallpox	-	-	-
Diphtheria	-	-	-
Scarlet Fever	7	-	-
Measles	199	-	-
Whooping Cough	9	-	-
Typhoid Fever	-	-	-
Paratyphoid	1	1	-
Dysentery	42	6	-
Cerebro-Spinal Meningitis	-	-	-
Acute Poliomyelitis	-	-	-
Polio-Encephalitis	-	-	-
Acute Pneumonia	5	-	-
Erysipelas	2	-	-
Puerperal Pyrexia	1	-	-
Ophthalmia Neona- torum	-	-	-
Malaria	-	-	-
Food Poisoning	1	-	-
TOTAL:-	267	7	-



# ANALYSIS TABLE.

	Scarlet Fever	Diphtheria	Enteric Fever	Puerperal Pyrexia	Ophthalmia Neonatorum	Pneumonia	Para-typhoid	Dysentery	Measles	Whooping Cough	Erysipelas	Cerebro-spinal Meningitis	Poliomyelitis	Food Poisoning
Under 1	-	-	-	-	-	-	-	-	3	-	-	-	-	-
1 - 2 years	1	-	-	-	-	-	-	6	24	-	-	-	-	-
3 - 4 years	-	-	-	-	-	-	-	3	38	-	-	-	-	-
5 - 9 years	5	-	-	-	-	-	1	103	105	7	-	-	-	-
10 - 14 years	1	-	-	-	-	-	-	7	24	2	-	-	-	-
15 - 24 years	-	-	-	-	-	1	-	1	5	-	-	-	-	-
25 - 64 years	-	-	-	1	-	3	-	7	-	-	1	-	-	1
65 & over	-	-	-	-	-	1	-	-	-	-	1	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals:-	7	-	-	1	-	5	1	42	199	9	2	-	-	1

There were no cases of Poliomyelitis notified during the year.

## Diphtheria Immunisation.

The number of children immunised during the year was as follows:-

### Primary Immunisation.

Under 5 years old	174 (169)
5 - 14 years old	2 ( 1)
	<hr/> 176 (170)

Reinforcing (Booster) injections 118 (198)

The "Immunisation State" of children in the Rural District on 31st December, 1959, was as follows:-

Age at 31/12/59 i.e. Born in year	Under 1 1959	1 - 4 1955-1958	5 - 9 1950-1954	10 - 14 1945-1949	Under 15 Total
Had complete course of injections(whether primary or booster). 1955 - 1959	20	644	839	196	1699
1954 or earlier	-	-	100	712	812
No. of births	244	981	1285	1505	4015





### Smallpox.

No cases of smallpox were reported.

Number of persons Vaccinated (or Revaccinated) during 1959:-

Age at 31st Dec., 1959, i.e. born in year.	Under 1 1959	1 1958	2 - 4 1955-57	5 - 14 1945-54	15 & over 1944	Total
Number vaccinated	94	6	1	1	8	110
Number Revaccinated	-	-	-	-	9	9

The figure of 94 was 37.6% of the average number of babies born in the two years 1959 - 1958 which was 250.

### Tuberculosis.

The following table gives particulars of 3 new cases. There were no deaths during the year from tuberculosis.

Age	New Cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0 -	-	-	-	-	-	-	-	-
1 -	-	-	-	-	-	-	-	-
5 -	-	-	-	-	-	-	-	-
10 -	-	-	-	-	-	-	-	-
15 -	-	-	-	-	-	-	-	-
20 -	-	-	-	-	-	-	-	-
25 -	1	1	-	-	-	-	-	-
35 -	-	-	-	-	-	-	-	-
45 -	1	-	-	-	-	-	-	-
55 -	-	-	-	-	-	-	-	-
65 and over	-	-	-	-	-	-	-	-
Totals	2	1	-	-	-	-	-	-

3 cases of Pulmonary Tuberculosis were notified during the year.

The total number of registered cases at 31st December, 1959, was as follows:-

	M.	F.	TOTAL
Pulmonary	35	25	60
Non-pulmonary	-	1	1
Total	35	26	61



EVESHAM RURAL DISTRICT

EPIDEMIC OF DYSENTERY.

In March, 1959, an extensive outbreak of Dysentery came to light in the Badsey area. The infection spread later to the Borough of Evesham, 2 miles distant.

The first case to be reported (19.3.59) was in a boy of 3 years of age following a report received on a specimen of faeces sent in to the Public Health Laboratory Service, Worcester.

On investigation, it was found that there had been a considerable amount of vomiting and diarrhoea among children in the village and that a girl of 8 years of age was at that time in the Isolation Hospital suffering from the disease.

The organism concerned was the shigella sonnei (Colicine - type 7). Subsequent investigation revealed the probability that the disease had been present in the sporadic cases since the beginning of the year.

On inquiry from the village school, a list of 89 pupils (48 Juniors and 41 Infants) suspected of having been affected was supplied by the Head Teacher.

The Health Inspectors were instructed to visit and collect information and samples from children on the lists supplied and their contacts. Inevitably, the inspectors were directed to other households affected.

By 22.3.59, so many specimens had been received by the Public Health Laboratory, Worcester, from suspects and family contacts from whom shigella sonnei had been isolated that Dr. R.J. Henderson, the Director, considered that sufficient evidence had been collected to assume a widespread infection of the community. Of 31 specimens taken from children on the original list of 89, 18 were positive for shigella sonnei.

22 further specimens taken from school children not on the list produced 14 positives. Of a total of 53 children sampled 32 were positive (12 Juniors and 20 Infants). The number on roll at the school was 277.

Clinically, the majority of cases were of a mild nature with initial vomiting, stomach pains and diarrhoea lasting 24 - 48 hours, with some fever, no doctor being called in and the child returning to school when diarrhoea had ceased.

The teachers did not escape. Over half having a history of the complaint. 2 were found to have positive stools, and in the families of 3 of them, cases were found

Investigation of the kitchen staff found them free from infection until the last day of term when one was found to have succumbed.

Up to 14th April, 1959, 159 specimens from 150 individuals had been submitted to the laboratory. 76 positives were found among this 150.



### Age Groups involved.

	<u>Ages</u>	<u>Pos.</u>
Adults	16+	14
School children	12 - 15	6
" "	7 - 11	20
" "	5 - 7	21
Pre-school infants	0 - 4	<u>15</u>
		76

The infection appeared to be so extensive that the closing of the school was considered. However, after consultation with the County Medical Officer, it was decided as only a few days of the term remained, disproportionate alarm might be caused by this action.

### SPECIAL REPORT.

In view of the widespread outbreak of the disease in Evesham Rural District, Evesham Borough and in Pershore Rural District, a Special Report was made to the Ministry of Health in May, 1959.

Note:- The disease was not so extensive in the Pershore area and was considered to be from another source, as the type of shigella sonnei was different (Colicine - type 2).

### ACTION TAKEN.

Publicity in press suggesting hygienic precautions to be taken in the home. All schools in Evesham Borough and the Rural Districts of Evesham & Pershore were alerted to take certain hygienic precautions in the new term. Copies of a circular letter from the District M.O.H giving advice to parents were distributed by the school children at the beginning of the summer term. Arrangements were made for Head Teachers to notify the health departments of any new cases.

As a result of these measures, very few new cases occurred in the Badsey area in the summer term.

However, suspect cases of diarrhoea and vomiting continued to appear in sporadic forms throughout the district from mid April, 1959, to August, 1960, 92 individuals being involved of which 32 were positive for shigella sonnei.

### DISCUSSION.

It will be apparent that dysentery is endemic in this area, as in many others, and that in view of the extensive production of foodstuffs, stringent precautions in personal hygiene and rapid notification of cases to the Public Health departments is essential to control the spread.

The experience gained in the control of this epidemic has shown the value of a preventative campaign directed at the public. The method chosen was through the Press, School and Home. Since the school is the common meeting place of representatives from many households, the chances of the passage of infection at school are very high. Special measures were instituted which it is hoped will have served the additional purpose of long-term education in personal hygiene.







We all have a duty to the community to maintain community health.

Dysentery can only be conveyed by organisms in excreta. Communal toilets are bound to become heavily contaminated in an epidemic of this nature. Frequent disinfection of toilet seats, chain and door handles during period of use was advised and the intelligent co-operation of caretakers and other attendants speedily reduced the incidence of cases.

Hand-washing, which implies the provision of hot water, soap and clean towels is a duty all of us, not only food handlers, must accept.

I am sure those responsible for commercial food production will do all they can to ensure that proper facilities are available for their workers.

I should like to thank the General Medical Practitioners, Dr. J.W. Pickup, County Medical Officer, Dr. R.J. Henderson, The Director, Public Health Laboratory Service, Worcester, Mr. J.C. Brooke, Chief Education Officer, and all Head Teachers of the schools involved, for their co-operation and patient acceptance of additional irksome procedures which enabled us to deal effectively with the outbreak. The local Press co-operated magnificently. Thanks are also due to the staffs of the Public Health Departments who worked many extra hours visiting cases suspected and premises, and making reports on all their activities.

#### BACTERIOLOGICAL RESULTS OF FAECES SPECIMENS.

##### ORGANISM INVOLVED - SHIGELLA SONNEI - COLICINE TYPE 7.

The following is the Analysis of the results of faeces investigation.

Summary of total specimens submitted for examination to 14th April, 1959:-

Submitted by:-	No. of Specimens.	Individuals Involved	Result		Families Involved	Families with more than 1 case
			Pos.	Neg.		
Public Health Dept.	137	130	57	73	44	20
General Practitioners	22	20	19	1		
TOTAL:-	159	150	76	74	44	20



Villages involved:-

Village	No. of Specimens taken	Individuals Involved	Result		Families Involved	Families with more than 1 case
			Pos.	Neg.		
asey (pop. 1553)	132	125	60	65	34	17
ckhamford (pop. 405)	6	6	5	1	4	1
dington (pop. 139)	6	6	2	4	2	0
nton-on-the-reen (pop. 252)	4	4	4	0	1	1
rvington (pop. 677)	3	3	3	0	1	1
neybourne (pop. 867)	2	1	1	0	1	0
esham (Teachers Badsey School)	2	2	1	1	1	0
hers	4	3	0	3	0	0

In the course of investigation and subsequent examination of faeces specimens, 1 case of S. Paratyphi B at Harvington and 1 case of Salmonella newport at Wickhamford were discovered.

Details of Age Groups involved:-

	Ages	Individuals Involved	Results	
			Pos.	Neg.
ults	16 and over	47	14	33
nior School Children	12 - 15	8	6	2
nior " "	7 - 11	31	20	11
fant " "	5 - 7	34	21	13
e-school children	0 - 4	30	15	15
tal:-		150	76	74



ANALYSIS OF THE BACTERIOLOGICAL RESULTS OF FAECES  
SPECIMENS TAKEN DURING INVESTIGATION OF SHIGELLA  
SONNEI OUTBREAK - PERIOD 15TH APRIL, 1959, TO 19TH  
AUGUST, 1960.

Submitted by:-	No. of Specim- ens	Individ- uals Involved	Results		Families Involved	Families with more than 1 case
			Pos.	Neg.		
Public Health Dept.	107	92	32	68	73	4

Villages involved:-

Village	No. of Specim- ens	Individ- uals Involved	Results		Families Involved	Families with more than 1 case
			Pos.	Neg.		
Abbots Morton (pop. 132)	2	2	-	2	1	-
Ashton-under-Hill (pop. 381)	5	5	-	5	5	-
Badsey (pop. 1553)	10	10	3	7	9	-
Bretforton (pop. 839)	3	3	-	3	2	-
Broadway (pop. 2564)	3	3	2	1	3	-
Childswickham (pop. 510)	1	1	-	1	1	-
Church Lench (pop. 410)	2	2	-	2	1	-
Cleeve Prior (pop. 371)	4	4	-	4	2	-
Crovington (pop. 677)	21	11	6	2	7	1
Easton-on-the-Green (pop. 252)	23	18	13	16	20	2
Emmington (pop. 867)	5	5	-	5	4	-
Emmington (pop. 439)	5	5	-	5	1	-
North & Middle Littleton (pop. 553)	3	3	1	2	2	-
Orton & Lenchwick (pop. 745)	8	8	3	5	8	-
Offenham (pop. 873)	4	4	3	1	2	1
Osborne (pop. 670)	1	1	-	1	1	-
Redgeberrow (pop. 524)	5	5	1	4	2	-
South Littleton (pop. 771)	2	2	-	2	2	-







